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(54) Title: METHOD OF PRODUCING CARBON-ENCAPSULATED METAL NANOPARTICLES

(57) Abstract: A method of producing carbon-encapsulated metal nanoparticles, for example carbon-encapsulated magnetic metal nanoparticles, comprises the steps of: providing a carbon-containing metal salt or organometallic compound in a reactor, for example a vessel having a restricted opening; and decomposing the carbon-containing metal salt or organometallic compound, for example by heating, whilst maintaining carbon within the reactor to form carbon-encapsulated metal nanoparticles.



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